GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

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Run on:         February 16, 2003, 16:40:39 ; Search time 33.9413 Seconds
                                     (without alignments)
                                     11981.069 Million cell updates/sec

Title:          US-09-497-967-1
Perfect score:  1326
Sequence:       1 atgaaatataatattttatt..........ttatttctttctatttattg 1326

Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:       441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters:      882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	59.8	4.5	543	6	5273901-6	Patent No. 5273901
c	2	55.2	4.2	533	6	5482709-5	Patent No. 5482709
c	3	54.2	4.1	3489	2	US-08-728-323A-1	Sequence 1, Appli
c	4	54.2	4.1	3489	4	US-09-298-568-1	Sequence 1, Appli
	5	54.2	4.1	32207	2	US-08-770-379-20	Sequence 20, Appl
	6	54.2	4.1	32207	4	US-08-757-669A-20	Sequence 20, Appl
	7	54.2	4.1	32207	4	US-09-230-371A-20	Sequence 20, Appl
c	8	46	3.5	3095	6	5231168-1	Patent No. 5231168
c	9	44.4	3.3	397	3	US-09-253-691-3	Sequence 3, Appli
	10	44	3.3	2793	1	US-08-209-747-1	Sequence 1, Appli
	11	44	3.3	2793	1	US-08-458-298-1	Sequence 1, Appli
	12	44	3.3	19124	2	US-08-487-826B-13	Sequence 13, Appl
c	13	43.6	3.3	2499	4	US-09-205-283-1	Sequence 1, Appli
c	14	43.6	3.3	2499	4	US-09-205-283-11	Sequence 11, Appl
c	15	42.6	3.2	203	4	US-09-043-303-7	Sequence 7, Appli
c	16	42.4	3.2	234	1	US-08-469-802B-3	Sequence 3, Appli
c	17	42.4	3.2	234	2	US-08-267-803B-3	Sequence 3, Appli
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c	19	42.2	3.2	270	4	US-09-664-977A-8	Sequence 8, Appli
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	24	42	3.2	3331	3	US-08-864-038A-4	Sequence 4, Appli
c	25	41.6	3.1	477	4	US-09-135-994-1	Sequence 1, Appli
c	26	41.6	3.1	506	1	US-08-469-802B-7	Sequence 7, Appli
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c	36	40.4	3.0	1776	2	US-08-531-927B-1	Sequence 1, Appli
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c	40	39.8	3.0	3376	3	US-08-545-860D-29	Sequence 29, Appl
c	41	39.8	3.0	3376	5	PCT-US94-04496-29	Sequence 29, Appl
c	42	39.6	3.0	9472	1	US-08-325-547-9	Sequence 9, Appli
	43	39.4	3.0	870	1	US-08-209-747-7	Sequence 7, Appli
	44	39.4	3.0	870	1	US-08-458-298-7	Sequence 7, Appli
	45	39.4	3.0	1505	1	US-07-915-246-1	Sequence 1, Appli

ALIGNMENTS

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RESULT 1
5273901-6/c
;Patent No. 5273901
;    APPLICANT: JACOBSON, JAMES W.;STRAUSBERG, ROBERT L.;WILSON,
;SUSAN D.;POPE, SHARON H.;STRAUSBERG, SUSAN L.;RUFF,MICHAEL D.;
;AUGUSTINE, PATRICIA C.;DANFORTH, HARRY D.
;    TITLE OF INVENTION: GENETICALLY ENGINEERED COCCIDIOSIS
;SPOROZOITE 21.5 KB ANTIGEN, AC-6B
;    NUMBER OF SEQUENCES: 11
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/581,693
;      FILING DATE: 12-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 215,162
;      FILING DATE: 05-JUL-1988
;      APPLICATION NUMBER: 746,520
;      FILING DATE: 19-JUN-1985
;      APPLICATION NUMBER: 627,811
;      FILING DATE: 05-JUL-1984
;SEQ ID NO:6:
;      LENGTH:543
5273901-6

  Query Match             4.5%;  Score 59.8;  DB 6;  Length 543;
  Best Local Similarity   46.2%;  Pred. No. 2.8e-06;
  Matches  199;  Conservative    0;  Mismatches  232;  Indels    0;  Gaps    0;

Qy        339 TGATGGAGTGACAGATGTTTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAA 398
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Qy        399 CTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGC 458
                  |     | ||| || |  |     |        |      ||||  | |  |  |  |||||
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Qy        459 TGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAA 518
              |  |||||| ||||| | ||||||||| ||| ||  ||       |  |  ||| |
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Db        354 TGCTGCTGCTCCTGCTGCTCCTTCGGTTTCTGTTCGTGCTTCCGCTGCCTTTGCTGCTCC 295

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Qy    699 AGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTAC 758
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Db    174 TGCTGCTGTTGCAGCTGCTGTTGCTGCTGCTGTTGCTGCTGCAGGTGCTGCTGCTGTTGC 115

Qy    759 TAGTTAATGTG 769
          |  |  | |||
Db    114 TGCTGCAGGTG 104


RESULT 2
5482709-5/c
;Patent No. 5482709
;    APPLICANT: JACOBSON, JAMES W.;STRAUSBERG, ROBERT L.;WILSON,
;SUSAN D.;POPE, SHARON H.;STRAUSBERG, SUSAN L.;RUFF, MICHAEL D.;
; AUGUSTINE, PATRICIA C.;DANFORTH, HARRY D.
;    TITLE OF INVENTION: EIMERIA ANTIGENIC COMPOSITION WHICH
;ELICITS ANTIBODIES AGAINST AVIAN COCCIDIOSIS
;    NUMBER OF SEQUENCES: 10
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/148,432
;      FILING DATE: 08-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 581,693
;      FILING DATE: 12-SEP-1990
;      APPLICATION NUMBER: 215,162
;      FILING DATE: 05-JUL-1989
;      APPLICATION NUMBER: 746,520
;      FILING DATE: 19-JUN-1985
;      APPLICATION NUMBER: 627,811
;      FILING DATE: 05-JUL-1984
;SEQ ID NO:5:
;      LENGTH: 533
5482709-5

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  Best Local Similarity   47.4%;  Pred. No. 4.1e-05;
  Matches  197;  Conservative    0;  Mismatches  218;  Indels    1;  Gaps    1;

Qy    339 TGATGGAGTGACAGATGTTTTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAA 398
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Db    524 TGATGCTGTTGCTGCTGTTGCTGCGGTTGCTGCTTTCGCCGCTTTTTCCTGCGCTGCTTT 465

Qy    399 CTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGC 458
             |      | ||| || | |    |       |     ||||  | | | | |  ||||||
Db    464 TGCTGCTGTTGATGCTGCTGCATGTCCCCCAGGCTTACCTGCTGCTGATGCTGCTGCTGC 405

Qy    459 TGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAA 518
          |  |||||| ||||| | |||||||||| ||| ||  ||    | |  ||| |
Db    404 TCTTGCTGCAGCTGCTGTTGTTGCTGCTGTTGCTGCTTGTGTTTTCGCTTTCTCTGCTTC 345

Qy    519 CAAAAACGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAA 578
                | | || ||||  || | | | |      |  ||  ||  | |    |
Db    344 TGCTGCTGCTCCTGCTGCTCCTTCGGTTTCTGTTCGTGCTTCCGCTGCCTTTGCTGCTCC 285

Qy    579 TTAATGTCCTACTGGCACTGTACTTGATGATGGAGTGACACTTGTTTTTAATACATCAGC 638
          |     |||| |||   ||||   ||  | ||| |   |    | |  |  | |  | ||
Db    284 TGCTGCTCCTGCTGCGGCTGTCGCTGCAGCTGGTGCTGCTGCAGCTCCTGTTGCTGCTGC 225

Qy    639 CACATTATGTGTTAAATGCAGACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGA 698
             | |  ||       ||| |    | ||  | ||  |   |  ||    ||   | ||
Db    224 TGC-TGCTGCAGCTGGTGCTGCTGCAGCTGGTGCTGCAGCTGCAGTGTAGCTGCTGCTGT 166

Qy    699 AGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCG 754
          ||  |||  |||   | |  || ||||| ||| |  |||||  | |||||||||  |
Db    165 TGCAGCTGCTGTTGCTGCTGCTGTTGCTGCTGCAGGTGCTGCTGCTGTTGCTGCTG 110


RESULT 3
US-08-728-323A-1/c
; Sequence 1, Application US/08728323A
; Patent No. 5948676
;  GENERAL INFORMATION:
;    APPLICANT:  Chang, Yuan
;    APPLICANT:  Bohenzky, Roy A.
;    APPLICANT:  Russo, James J.
;    APPLICANT:  Edelman, Isidore S.
;    APPLICANT:  Moore, Patrick S.
;    TITLE OF INVENTION:  Immediate Early Protein From Kaposi's
;    TITLE OF INVENTION:  Sarcoma-Associated Herpesvirus, DNA
;    TITLE OF INVENTION:  Encoding Same And Uses Thereof
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/728,323A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/52268/JPW/MSC/SKS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
;      TELEFAX:  212-391-0525
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3489 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..3489
US-08-728-323A-1

  Query Match             4.1%;  Score 54.2;  DB 2;  Length 3489;
  Best Local Similarity   45.3%;  Pred. No. 0.00016;
  Matches  197;  Conservative    0;  Mismatches  238;  Indels    0;  Gaps    0;

Qy     58 GCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCT 117
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Db   2173 GCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTCCTGCTCATCCTGCTGCTCCTGCT 2114

Qy    118 GATCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAA 177
           ||| || | ||  || | ||       ||  |  |      |  || |  | |||||
Db   2113 CATCCTGCTGCTCCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 2054

Qy    178 GGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTA 237
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Db   2053 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 1994

Qy    238 CCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCC 297
          |   |                  ||| | |  || | | ||       | ||   ||
Db   1993 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 1934

Qy    298 ACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATGTT 357
          |  |     | ||     |||| |||   ||  | || || ||      | | || |
Db   1933 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 1874

Qy    358 TTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGT 417
          | ||   | || ||  |   || |       | |||     |   ||  || || |
Db   1873 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 1814

Qy    418 TCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGT 477
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Db   1813 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGTGGCTCCCGCTGCTGTGGCTCCCGCTGCT 1754

Qy     478 GTTGCTGCCGTTACT 492
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RESULT 4
US-09-298-568-1/c
; Sequence 1, Application US/09298568
; Patent No. 6322792
; GENERAL INFORMATION:
;  APPLICANT: Kieff, Elliott D.
;  APPLICANT: Ballestas, Mary E.
;  APPLICANT: Kaye, Kenneth M.
;  TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO
;  TITLE OF INVENTION: VIRUS DNA TO MEDIATE EFFICIENT EPISOME PERSISTENCE
;  FILE REFERENCE: 16412-10001R
;  CURRENT APPLICATION NUMBER: US/09/298,568
;  CURRENT FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,422
;  EARLIER FILING DATE: 1998-11-19
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 3489
;   TYPE: DNA
;   ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-298-568-1

  Query Match             4.1%;  Score 54.2;  DB 4;  Length 3489;
  Best Local Similarity   45.3%;  Pred. No. 0.00016;
  Matches  197;  Conservative    0;  Mismatches  238;  Indels    0;  Gaps    0;

Qy      58 GCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCT 117
           |||| | |   ||||| || | || |  ||   |||          |  ||  | | |||||
Db    2173 GCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTCCTGCTCATCCTGCTGCTCCTGCT 2114

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Qy     178 GGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTA 237
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Qy     238 CCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCC 297
           |   |                    ||| | |  || | | ||       | ||   ||
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Qy     298 ACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATGTT 357
           |  |       | ||     |||| |||   ||   | || || ||      | | || |
Db    1933 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 1874

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Qy     478 GTTGCTGCCGTTACT 492
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Db    1753 GTGGCTCCCGCTGCT 1739


RESULT 5
US-08-770-379-20
; Sequence 20, Application US/08770379
; Patent No. 5849564
;  GENERAL INFORMATION:
;     APPLICANT:  Chang, Yuan
;     APPLICANT:  Bohenzky, Roy A.
;     APPLICANT:  Russo, James J.
;     APPLICANT:  Edelman, Isidore S.
;     APPLICANT:  Moore, Patrick S.
;     TITLE OF INVENTION:  POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED
;     TITLE OF INVENTION:  HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF
;     NUMBER OF SEQUENCES:  20
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Cooper & Dunham LLP
;       STREET:  1185 Avenue of the Americas
;       CITY:  New York
;       STATE:  New York
;       COUNTRY:  U.S.A.
;       ZIP:  10036
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/770,379
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  White, John P.
;       REGISTRATION NUMBER:  28,678
;       REFERENCE/DOCKET NUMBER:  52342
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 278-0400
;       TELEFAX:  (212) 391-0525
;  INFORMATION FOR SEQ ID NO:  20:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  32207 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-770-379-20

  Query Match             4.1%;  Score 54.2;  DB 2;  Length 32207;
  Best Local Similarity   45.3%;  Pred. No. 0.00039;
  Matches  197;  Conservative    0;  Mismatches  238;  Indels    0;  Gaps    0;

Qy      58 GCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCT 117
           |||| | |   |||||| || | || |  ||   |||          |  ||  | | |||||
Db   19824 GCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTCCTGCTCATCCTGCTGCTCCTGCT 19883

Qy     118 GATCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAA 177
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Qy     178 GGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTA 237
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Db   20064 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20123

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RESULT 6
US-08-757-669A-20
; Sequence 20, Application US/08757669A
; Patent No. 6183751
;  GENERAL INFORMATION:
;    APPLICANT:  Chang, Yuan
;    APPLICANT:  Bohenzky, Roy A.
;    APPLICANT:  Russo, James J.
;    APPLICANT:  Edelman, Isidore S.
;    APPLICANT:  Moore, Patrick S.
;    TITLE OF INVENTION:  UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
;    TITLE OF INVENTION:  SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/757,669A
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  45185-F
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32207 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-757-669A-20

  Query Match             4.1%;  Score 54.2;  DB 4;  Length 32207;
  Best Local Similarity   45.3%;  Pred. No. 0.00039;
  Matches  197;  Conservative    0;  Mismatches  238;  Indels    0;  Gaps    0;

Qy      58 GCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCT 117
           |||| | |   ||||| || | || |  ||   |||         |  ||  | | |||||
Db  19824 GCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTCCTGCTCATCCTGCTGCTCCTGCT 19883

Qy     118 GATCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAA 177
           ||| || | ||  || | ||       ||  |  |     |  || | | |||||
Db  19884 CATCCTGCTGCTCCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 19943

Qy     178 GGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTA 237
           |   |  ||  || |  | | |||   || ||  ||  |||||||     |    ||
Db  19944 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20003

Qy     238 CCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCC 297
           |   |                  ||| | |  || | | ||       | ||   ||
Db  20004 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20063

Qy     298 ACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATGTT 357
           |  |      | ||     |||| |||   ||   | || || ||      | | || |
Db  20064 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20123

Qy     358 TTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGT 417
           | ||    | || ||  |   || |       | |||     |    ||  || || | |
Db  20124 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20183

Qy     418 TCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGT 477
           |||  |   | ||  |||| |   | |   ||   | | |||| ||  ||  | || | |
Db  20184 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGTGGCTCCCGCTGCTGTGGCTCCCGCTGCT 20243

Qy     478 GTTGCTGCCGTTACT 492
           || ||| ||| | ||
Db  20244 GTGGCTCCCGCTGCT 20258


RESULT 7
US-09-230-371A-20
; Sequence 20, Application US/09230371A
; Patent No. 6348586
; GENERAL INFORMATION:
;  APPLICANT:  Chang, Yuan
;  APPLICANT:  Bohenzky, Roy A
;  APPLICANT:  Russo, James J
;  APPLICANT:  Edelman, Isidore S
;  APPLICANT:  Moore, Patrick S
;  TITLE OF INVENTION:  UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
;  TITLE OF INVENTION:  USES THEREOF
;  FILE REFERENCE:  45185-G-PCT-US
;  CURRENT APPLICATION NUMBER: US/09/230,371A
;  CURRENT FILING DATE:  1999-11-17
;  PRIOR APPLICATION NUMBER:  PCT/US97/13346
;  PRIOR FILING DATE:  1997-07-22
;  NUMBER OF SEQ ID NOS:  30
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 20
;   LENGTH:  32207
;   TYPE:  DNA
;   ORGANISM:  Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

  Query Match             4.1%;  Score 54.2;  DB 4;  Length 32207;
  Best Local Similarity   45.3%;  Pred. No. 0.00039;
  Matches  197;  Conservative    0;  Mismatches  238;  Indels    0;  Gaps    0;

Qy      58 GCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCT 117
           |||| | |   ||||| || | || |  ||   |||         |  ||  | | |||||
Db  19824 GCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTCCTGCTCATCCTGCTGCTCCTGCT 19883

Qy     118 GATCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAA 177
           ||| || | ||  || | ||       ||  |  |     |  || | | |||||
Db  19884 CATCCTGCTGCTCCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 19943

Qy     178 GGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTA 237
           |   |  ||  || |  | | |||   || ||  ||  |||||||     |    ||
Db  19944 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20003

Qy     238 CCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCC 297
           |   |                  ||| | |  || | | ||       | ||   ||
Db  20004 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20063

Qy     298 ACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATGTT 357
           |  |      | ||     |||| |||   ||   | || || ||      | | || |
Db  20064 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20123

Qy     358 TTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGT 417
           | ||    | || ||  |   || |       | |||     |    ||  || || | |
Db  20124 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCT 20183

Qy     418 TCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGT 477
           |||  |   | ||  |||| |   | |   ||   | | |||| ||  ||  | || | |
Db  20184 GCTCATCCTGCTGCTGCTCATCCTGCTGCTGTGGCTCCCGCTGCTGTGGCTCCCGCTGCT 20243

Qy     478 GTTGCTGCCGTTACT 492
           || ||| ||| | ||
Db  20244 GTGGCTCCCGCTGCT 20258
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RESULT 8
5231168-1/c
;Patent No. 5231168
;    APPLICANT: DZIEGIEL, MORTEN;BORRE, MARTIN;JEPSEN, SOREN;
;VUUST, JENS;RIENECK, KLAUS;WIND, ANNETTE;JAKOBSEN, PALLE H.
;    TITLE OF INVENTION: MALARIA ANTIGEN
;    NUMBER OF SEQUENCES: 19
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/409,658
;      FILING DATE: 18-SEP-1989
;SEQ ID NO:1:
;      LENGTH: 3095
5231168-1

  Query Match             3.5%;  Score 46;  DB 6;  Length 3095;
  Best Local Similarity   45.1%;  Pred. No. 0.018;
  Matches  212;  Conservative    0;  Mismatches  255;  Indels    3;  Gaps    1;

Qy     844 ACTTAATGTCCAACTGGCACTGCAATTCAAGACGGAGTGACACTTGTTTTTAGTAATTCA 903
           |||| |  | ||  |     | |  ||       |||   |||||||  | |     |||
Db     872 ACTTCAGATACATTTTCTTTTTCTTTTACTTCAGGATCAACACTTGCATGTTTATTTTCT 813

Qy     904 TCCACATAATGTTCTTAATGCATTGCTAATTACTTTTTTAATGGTAATTTCGAAGCAGGT 963
           ||   |  |  || || |    |  | ||| |   ||  | ||||  ||  | |   |||
Db     812 TCAGAAGGAACTTTTTCAATTTTGACAAATGATGGTTCAACTGGTTCTTGTGGATTTGGT 753

Qy     964 AAAAGTTAATGTTTAAAGTGTCCAGTAAGTAAAACTACTCCAGCACATGCTCCAGGTAAT 1023
             | |     |    || || | | |  ||   || ||      | |  |
Db     752 TGTGAGTCAACAAAATTAGGTTCAATTATTTGAAGGTCTACAATTTTAGGTTGAACATCC 693

Qy    1024 ACTGCTACTTAAGCCACATAATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGAT 1083
           |||  | |     |  || |  ||||      | |  ||| |    |  |  ||   |||
Db     692 ACTTTTTCAATTTCTTCAAATGGTTT---TGAAGGAACTGGTCCATCTTTCTTTTCGGAT 636

Qy    1084 GGAACATCAACTAATTTTGTAGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTT 1143
           ||  | | |     || |  || | |     ||  |||| |     |||| | ||   ||
Db     635 GGTTCGTTATTACTTTGTTCAGATACACTTTCTACATGTTCAGCTGGTTCGGATGTACTT 576

Qy    1144 TTTGCATCAAAAACAACTGGTTTTACAGCAGGTACTGATACATGTACTGAATGTACTAAA 1203
           ||| ||   | ||   ||   | | |||| ||| | ||||||  |  |     ||| |
Db     575 TTTTCAGATACAATTTCTACGTGTTCAGCTGGTTCAGATACACTTTTTTCTGATACAATT 516

Qy    1204 AAATTAACTTCTGGTGCCACAGCTAAAGTATATGCTGAAGCTACTCAAAAAGTATAATGC 1263
             | ||| | ||   ||| || | | | | |||| | ||| |   | | | |
Db     515 TCTACATGTTCAGCTGGTTCAGATACACTTTTTTCTGATTCAACTAATTCATTTTCACTT 456

Qy    1264 GCCTCCACTACTTTCGCTAAATTTTTATCGATTTCCTTATTATTTATTTC 1313
             ||     | ||      |  || |     ||| | ||||  |  |||
Db     455 AATTCAGAGTCATTTTGATCAGGTTCAAATTCTTCATGATTAGGTTCTTC 406


RESULT 9
US-09-253-691-3/c
; Sequence 3, Application US/09253691
; Patent No. 6124100
; GENERAL INFORMATION:
;  APPLICANT: Dong Kyu JIN
;  TITLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases
;  TITLE OF INVENTION: Using Trinucleotide Repeats Sequence
;  FILE REFERENCE: 1942/36
;  CURRENT APPLICATION NUMBER: US/09/253,691
;  CURRENT FILING DATE: 1999-02-22
;  EARLIER APPLICATION NUMBER: KR 98-6,278
;  EARLIER FILING DATE: 1996-02-26
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: WordPerfect 6.1/Windows
; SEQ ID NO 3
;   LENGTH: 397
;   TYPE: DNA
;   ORGANISM: human
US-09-253-691-3

  Query Match             3.3%;  Score 44.4;  DB 3;  Length 397;
  Best Local Similarity   49.2%;  Pred. No. 0.02;
  Matches  117;  Conservative    0;  Mismatches  121;  Indels    0;  Gaps    0;

Qy     263 CTGTTACCAATGCAGGTGACTTAGCTACTTTAGCCACATAATGCAGTACTTAATGTCCTA 322
           ||| | |   ||| | ||     ||| ||   ||  |          | ||     | ||
Db     352 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 293

Qy     323 CTGGCACTGCACTTGATGATGGAGTGACAGATGTTTTTGATAGATCAGCCGCATAATGTG 382
           |||   ||||   || || ||  |   | | || |  || |    | || ||      ||
Db     292 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 233

Qy     383 TTAAATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCG 442
           |          ||      |      |  || || | || ||    | ||  ||| ||| |
Db     232 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 173

Qy     443 TTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATG 500
           |   | |  |||||||| |||||| ||||| | |||||||||  || ||  |   ||
Db     172 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTTGCTGCTTTTGCTGCTGTCTG 115


RESULT 10
US-08-209-747-1
; Sequence 1, Application US/08209747
; Patent No. 5733771
;  GENERAL INFORMATION:
;    APPLICANT:  Lewis, Randolph V.
;    APPLICANT:  Colgin, Mark
;    TITLE OF INVENTION:  cDNAs Encoding Minor Ampullate Spider
;    TITLE OF INVENTION:  Silk Proteins
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Birch, Stewart, Kolasch & Birch
;      STREET:  P.O. Box 747
;      CITY:  Falls Church
;      STATE:  Virginia
;      COUNTRY:  USA
;      ZIP:  22040-3487
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/209,747
;      FILING DATE:  14-MAR-1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy Jr., Gerald M.
;      REGISTRATION NUMBER:  28,977
;      REFERENCE/DOCKET NUMBER:  1447-104P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-205-8000
;      TELEFAX:  703-205-8050
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2793 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Nephila clavipes
;      TISSUE TYPE:  minor ampullate gland
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  183..2675
;      OTHER INFORMATION:  /product= "N. clavipes minor
;      OTHER INFORMATION:  ampullate silk protein"
US-08-209-747-1
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  Query Match             3.3%;  Score 44;  DB 1;  Length 2793;
  Best Local Similarity   40.9%;  Pred. No. 0.057;
  Matches  143;  Conservative    0;  Mismatches  207;  Indels    0;  Gaps    0;

Qy    420 TCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGT 479
          | ||  || || ||     || | | ||| |      | ||  |  || |  || ||||
Db    776 TGCTGGAGCTGGAGGCTACGGTGGTCAAGGTGGGTACGGTGCCGGAGCAGGAGCTGGTGC 835

Qy    480 TGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGATTCTCCTGCCAC 539
           ||||| | | ||  |  |   | | || |          |    ||| |     |||
Db    836 GGCTGCTGCTGCTGCTGGAGCAGGATCTGGAGGCGCTGGCGGTTACGGTAGAGGTGCTGG 895

Qy    540 TGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCACTGT 599
          ||| || ||   |||   |  ||   ||  |    |  | |      |||    |
Db    896 TGCTGGAGCTGGAGCCGCTGCAGGTGCAGGAGCAGGAGCTGGAAGCTACGGTGGTCAAGG 955

Qy    600 ACTTGATGATGGAGTGACACTTGTTTTTAATACATCAGCCACATTATGTGTTAAATGCAG 659
          |   | ||  ||||    |  || |  |  | || | ||
Db    956 ATACGGTGCCGGAGCAGGAGCTGGTGCTGCTGCAGCTGCANNNNNNNNNNNNNNNNNNNN 1015

Qy    660 ACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTT 719
                              ||| |   |  |||||  |    ||| |   |||
Db   1016 NNNNNNNNNNNNNNNNNNNNNGGTGCAGGTGCAGGTGCTGGATATGGTGGACAAGGCGG 1075

Qy    720 TGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTG 769
            || ||  |  || |  || ||||  ||||| | | || ||  | | |
Db   1076 ATATGGTGCCGGAGCAGGAGCTGGTGCGGCTGCTGCTGCTGGTGCAGGAG 1125


RESULT 11
US-08-458-298-1
; Sequence 1, Application US/08458298
; Patent No. 5756677
;  GENERAL INFORMATION:
;    APPLICANT:  Lewis, Randolph V.
;    APPLICANT:  Colgin, Mark
;    TITLE OF INVENTION:  cDNAs Encoding Minor Ampullate Spider
;    TITLE OF INVENTION:  Silk Proteins
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Birch, Stewart, Kolasch & Birch
;      STREET:  P.O. Box 747
;      CITY:  Falls Church
;      STATE:  Virginia
;      COUNTRY:  USA
;      ZIP:  22040-3487
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,298
;      FILING DATE:  02-JUN-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/209,747
;      FILING DATE:  14-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy Jr., Gerald M.
;      REGISTRATION NUMBER:  28,977
;      REFERENCE/DOCKET NUMBER:  1447-104P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-205-8000
;      TELEFAX:  703-205-8050
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2793 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Nephila clavipes
;      TISSUE TYPE:  minor ampullate gland
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  183..2675
;      OTHER INFORMATION:  /product= "N. clavipes minor
;      OTHER INFORMATION:  ampullate silk protein"
US-08-458-298-1

  Query Match             3.3%;  Score 44;  DB 1;  Length 2793;
  Best Local Similarity   40.9%;  Pred. No. 0.057;
  Matches  143;  Conservative    0;  Mismatches  207;  Indels    0;  Gaps    0;

Qy    420 TCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGT 479
          | ||  || || ||     || | | ||| |      | ||  |  || |  || ||||
Db    776 TGCTGGAGCTGGAGGCTACGGTGGTCAAGGTGGGTACGGTGCCGGAGCAGGAGCTGGTGC 835

Qy    480 TGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGATTCTCCTGCCAC 539
           ||||| | | ||  |  |   | | || |          |    ||| |     |||
Db    836 GGCTGCTGCTGCTGCTGGAGCAGGATCTGGAGGCGCTGGCGGTTACGGTAGAGGTGCTGG 895

Qy    540 TGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCACTGT 599
          ||| || ||   |||   |  ||   ||  |    |  | |      |||    |
Db    896 TGCTGGAGCTGGAGCCGCTGCAGGTGCAGGAGCAGGAGCTGGAAGCTACGGTGGTCAAGG 955

Qy    600 ACTTGATGATGGAGTGACACTTGTTTTTAATACATCAGCCACATTATGTGTTAAATGCAG 659
          |   | ||  ||||    |  || |  |  | || | ||
Db    956 ATACGGTGCCGGAGCAGGAGCTGGTGCTGCTGCAGCTGCANNNNNNNNNNNNNNNNNNNN 1015

Qy    660 ACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTT 719
                              ||| |   |  |||||  |    ||| |   |||
Db   1016 NNNNNNNNNNNNNNNNNNNNNGGTGCAGGTGCAGGTGCTGGATATGGTGGACAAGGCGG 1075

Qy    720 TGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTG 769
            || ||  |  || |  || ||||  ||||| | | || ||  | | |
Db   1076 ATATGGTGCCGGAGCAGGAGCTGGTGCGGCTGCTGCTGCTGGTGCAGGAG 1125


RESULT 12
US-08-487-826B-13
; Sequence 13, Application US/08487826B
; Patent No. 5993827
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,826B
;      FILING DATE:  10-SEP-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
```

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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19124 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-487-826B-13

  Query Match             3.3%;  Score 44;  DB 2;  Length 19124;
  Best Local Similarity   44.8%;  Pred. No. 0.12;
  Matches  208;  Conservative    0;  Mismatches  255;  Indels    1;  Gaps    1;

Qy     864 TGCAATTCAAGACGGAGTGACACTTGTTTTTAGTAATTCATCCACATAATGTTCTTAATG 923
           | ||||   |       || |   || |   ||  | |   | |  ||  |  | | | |
Db   18205 TACAATAATATTTCTTGTTATTTTTATAAATATAACTAATTTCTTATTTTTATTTAACTT 18264

Qy     924 CATTGCTAATTACTTTTTTAATGGTAATTTCGAAGCAGGTAAAAGTTAATGTTTAAAGTG 983
           |||  ||  ||| ||| |||||  |  | || ||  |   | |         ||  |  |
Db   18265 TATTCCTTTTTAATTTCTTAATTCTTTTATCAAACAAAAAACATAAAGTAATTCTACATA 18324

Qy     984 TCCAGTAAGTAAAACTACTCCAGCACATGCTCCAGGTAATACTGCTACTTAAGCCACATA 1043
           || |  ||  |||| |    |  | ||        | || ||        |||   | |||
Db   18325 TCAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTTATTATAATATAATAAAAAATATA 18384

Qy    1044 ATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGATGGAACATCAACTAATTTTGT 1103
           | |    ||       |  |  || |  | ||  |       | | ||  |     |
Db   18385 AAGACATACGTTCACTTATTATTATAAATGATTTATTACGATTAAAACATATTGAGATTA 18444

Qy    1104 AGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTTTTTGCATCAAAAACAACTGG 1163
             |     || | ||  ||  ||  ||| |    | |||||   |  |   | |   |
Db   18445 TAATAATATAATTTAACATAGAAAGAGTTAAGAATACATTTTTTTTTTTATTTCGATATG 18504

Qy    1164 TTTTACAGCAGGTACTGATACATGTA-CTGAATGTACTAAAAAATTAACTTCTGGTGCCA 1222
           |  | ||  ||  ||   ||| || || ||   |    |||  || |||  |    |   |
Db   18505 TAATTCAACATATATATATATATATCTTTTTAATTTAATTAAATAAAATTCCTTATTA 18564

Qy    1223 CAGCTAAAGTATATGCTGAAGCTACTCAAAAAGTATAATGCGCCTCCACTACTTTCGCTA 1282
             ||  || | |  |    |  | ||| | || ||       | |  |  | ||| ||
Db   18565 TTCATATTGTTTCTTTTATCACATGTGAAATATTAAAAATAATTTTCGATTTTATCGATA 18624

Qy    1283 AATTTTTATCGATTTCCTTATTATTTATTTCTTTCTATTTATTG 1326
           |||| | ||| ||   |  |||| || ||||| ||  |||||
Db   18625 TATTTATGTCGTTTATATACTTATATAGGTCTTTATAACTATTG 18668


RESULT 13
US-09-205-283-1/c
; Sequence 1, Application US/09205283
; Patent No. 6183973
; GENERAL INFORMATION:
;  APPLICANT: Wright C, Anita
;  APPLICANT: Powell L, Jan
;  APPLICANT: Morris J, Glenn
;  APPLICANT: University of Maryland Biotechnology Institute
;  TITLE OF INVENTION: V.Vulnificus Molecular Probes Antibodies, and Proteins
;  FILE REFERENCE: 000432-00010
;  CURRENT APPLICATION NUMBER: US/09/205,283
;  CURRENT FILING DATE: 1998-12-04
;  EARLIER APPLICATION NUMBER: PCT/US98/12467
;  EARLIER FILING DATE: 1998-06-19
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 2499
;   TYPE: DNA
;   ORGANISM: Vibrio vulnificus
US-09-205-283-1

  Query Match             3.3%;  Score 43.6;  DB 4;  Length 2499;
  Best Local Similarity   50.0%;  Pred. No. 0.069;
  Matches  109;  Conservative    0;  Mismatches  109;  Indels    0;  Gaps    0;

Qy     984 TCCAGTAAGTAAAACTACTCCAGCACATGCTCCAGGTAATACTGCTACTTAAGCCACATA 1043
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Db     503 TGCACTAGGTGTATCTTCTACTGCATTTGCTGCGGGTGAAGCTGCAACAGCAACTACAGC 444

Qy    1044 ATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGATGGAACATCAACTAATTTTGT 1103
           |  |   || ||   | || | ||  ||| |   | || |||  ||    |   |   |
Db     443 AACTAGTACAACTGCTTCTACAGGCGCAGCAGCAGGTGCTGGCGCAGGTGCAGCTAGCGC 384

Qy    1104 AGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTTTTTGCATCAAAAACAACTGG 1163
           | | | |||||         |   |    | | ||       | ||  ||| | ||  ||
Db     383 GGGTGCAGCAACAACTGCAGCAGTAGCGGCAGGTGCAGCAGTAGCGGCAACAGCAGTTGT 324

Qy    1164 TTTTACAGCAGGTACTGATACATGTACTGAATGTACTA 1201
           | || |  ||   |    |||  |||||    ||||||
Db     323 TGTTTCTTCAAACAACACTACTGGTACTACTGGTACTA 286


RESULT 14
US-09-205-283-11/c
; Sequence 11, Application US/09205283
; Patent No. 6183973
; GENERAL INFORMATION:
;  APPLICANT: Wright C, Anita
;  APPLICANT: Powell L, Jan
;  APPLICANT: Morris J, Glenn
;  APPLICANT: University of Maryland Biotechnology Institute
;  TITLE OF INVENTION: V.Vulnificus Molecular Probes Antibodies, and Proteins
;  FILE REFERENCE: 000432-00010
;  CURRENT APPLICATION NUMBER: US/09/205,283
;  CURRENT FILING DATE: 1998-12-04
;  EARLIER APPLICATION NUMBER: PCT/US98/12467
;  EARLIER FILING DATE: 1998-06-19
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 2499
;   TYPE: DNA
;   ORGANISM: Vibrio vulnificus
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (756)..(1007)
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1062)..(2291)
US-09-205-283-11

  Query Match             3.3%;  Score 43.6;  DB 4;  Length 2499;
  Best Local Similarity   50.0%;  Pred. No. 0.069;
  Matches  109;  Conservative    0;  Mismatches  109;  Indels    0;  Gaps    0;

Qy     984 TCCAGTAAGTAAAACTACTCCAGCACATGCTCCAGGTAATACTGCTACTTAAGCCACATA 1043
           | || || ||  | || || | |||  |||| | ||| |  |||| ||   | | |||
Db     503 TGCACTAGGTGTATCTTCTACTGCATTTGCTGCGGGTGAAGCTGCAACAGCAACTACAGC 444

Qy    1044 ATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGATGGAACATCAACTAATTTTGT 1103
           |  |   || ||   | || | ||  ||| |   | || |||  ||    |   |   |
Db     443 AACTAGTACAACTGCTTCTACAGGCGCAGCAGCAGGTGCTGGCGCAGGTGCAGCTAGCGC 384

Qy    1104 AGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTTTTTGCATCAAAAACAACTGG 1163
           | | | |||||         |   |    | | ||       | ||  ||| | ||  ||
Db     383 GGGTGCAGCAACAACTGCAGCAGTAGCGGCAGGTGCAGCAGTAGCGGCAACAGCAGTTGT 324

Qy    1164 TTTTACAGCAGGTACTGATACATGTACTGAATGTACTA 1201
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Db     323 TGTTTCTTCAAACAACACTACTGGTACTACTGGTACTA 286


RESULT 15
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US-09-043-303-7/c
; Sequence 7, Application US/09043303
; Patent No. 6251589
; GENERAL INFORMATION:
;  APPLICANT: TSUJI, Shoji
;  APPLICANT: SANPEI, Kazujiro
;  TITLE OF INVENTION: Method for Diagnosing Spinocerebellar Alaxia Type 2 and
;  TITLE OF INVENTION: Primers Therefor
;  FILE REFERENCE: 0760-0241P
;  CURRENT APPLICATION NUMBER: US/09/043,303
;  CURRENT FILING DATE: 1998-05-18
;  EARLIER APPLICATION NUMBER: PCT/JP96/01999
;  EARLIER FILING DATE: 1996-07-18
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 203
;   TYPE: DNA
;   ORGANISM: p-2093 plasmid
US-09-043-303-7

  Query Match             3.2%;  Score 42.6;  DB 4;  Length 203;
  Best Local Similarity   51.3%;  Pred. No. 0.045;
  Matches   99;  Conservative    0;  Mismatches   94;  Indels    0;  Gaps    0;

Qy    310 ACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATGTTTTTGATAGATCA 369
          | ||   ||  | |||   ||||   || || ||  |   | | || |  || |     |
Db    196 AGTTTCCGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 137

Qy    370 GCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGT 429
          || ||      || |          ||      |     |  || || | || ||   | |
Db    136 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 77

Qy    430 GAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTT 489
          |  ||| |||  | |   | |  |||||||| |||||| ||||| | || |||||| |||
Db     76 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTT 17

Qy    490 ACTAGTTAATGTG 502
          ||  |   |||
Db     16 GCTGTTGCTGGTG 4


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